

# OCR Computer Science A Level

## 1.1.3 Input, Output and Storage

### Flashcards



Give two types of magnetic storage



# Give two types of magnetic storage

Two from:

- Hard disk drive
- Floppy disk
- Magnetic tape



Give three examples of input devices



# Give three examples of input devices

Three from:

Keyboard

Touchpad

Mouse

Barcode reader

Microphone

Magnetic stripe reader

Webcam

Etc.



Give an example of a device which is used for both input and output



Give an example of a device which is used for both input and output

Touchscreen



What name is given to the areas on a CD's surface which have been burned into grooves by a laser?





What name is given to the areas on a CD's surface which have been burned into grooves by a laser?

Pits



# What does CD stand for?



What does CD stand for?

Compact Disc



Give three examples of output devices



# Give three examples of output devices

Three from:

Speaker

Monitor

Printer

Projector



Which has the highest typical storage capacity: CD, DVD or Blu-Ray?



Which has the highest typical storage capacity: CD, DVD or Blu-Ray?

Blu-Ray



In a hard disk drive, what is mounted at the end of the actuating arm?





In a hard disk drive, what is mounted at the end of the actuating arm?

Read / write head



Give two types of magnetic storage



# Give two types of magnetic storage

Two from:

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Which storage device has typical capacities in the range 500GB-5TB?



Which storage device has typical capacities in the range 500GB-5TB?

Hard disk drive



Give two disadvantages of SSDs



## Give two disadvantages of SSDs

- High cost per GB
- Limited lifespan



# What does ROM stand for?





What does ROM stand for?

Read only memory



Describe the structure in which information is stored in flash memory



Describe the structure in which information is stored in flash memory

Information is stored in **blocks**, which are combined to form **pages**.



# What is meant by **non-volatile**?



What is meant by **non-volatile**?

A **non-volatile** storage medium **does not lose its information** when power is lost.



Which two types of logic gate are used in flash storage?



Which two types of logic gate are used in flash storage?

NAND and NOR



Give three advantages of SSDs





## Give three advantages of SSDs

- High transfer speeds
- Lightweight
- No moving parts



# Is ROM volatile or non-volatile?



# Is ROM volatile or non-volatile?

## Non-volatile



Which form of storage device uses silicon semiconductors to store information?



Which form of storage device uses silicon semiconductors to store information?

Flash



Give three disadvantages of CDs



## Give three disadvantages of CDs

- They are easily damaged by scratches
- They have relatively low capacities
- They have relatively slow transfer speeds

